==========
Sequence Listing could not be accepted due to errors.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: markspencer
Timestamp: [year=2011; month=6; day=22; hr=6; min=53; sec=11; ms=96;]
==========

****
Reviewer Comments:
1.
E356 Organism is not permitted in <213> in SEQ ID (20)
E356 Organism is not permitted in <213> in SEQ ID (21)

<210> 20
<211> 6
<212> PRT
<213> Synthetic
* * * * * * * * *

<210> 21
<211> 6
<212> PRT
<213> Synthetic
* * * * * * * * *

For SEQ ID # 20 and 21, numeric identifier <213> can only be one of three choices, “Scientific name, i.e. Genus/species, Unknown or Artificial Sequence.” For all sequences using “Unknown” or “Artificial sequence”, for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of numeric identifier <220>, which remains blank and, numeric identifier <223>, which states the source of the genetic material. Suggest using “Artificial sequence” for numeric identifier <213> and “Synthetic” for numeric identifier <223> in the mandatory feature. Please make all necessary changes.

2.

<210> 22
<211> 127
<212> DNA
<213> Gymnea sylvestre

<220>
<221> MISC_FEATURE
<222> (28)..(105)
<223> S and N are A, T, G or C

<400> 22

For SEQ ID # 22, the “s” nucleotide designator can only represent “c or g” as defined in the sequence rules, Table 1.” The “s” nucleotide designator cannot be redefined in the feature as “A, T, G, or C.” Please define the “s” nucleotide designator as “c or g” only, in the feature above, or remove the “s” nucleotide designator entirely from the feature. The “s” nucleotide designator can be removed from the feature because it is already defined in “Table 1” of the sequence rules and does not need to be part of the mandatory feature shown for the “n” nucleotide designator.

3.
W402 Undefined organism found in <213> in SEQ ID (1)
W402 Undefined organism found in <213> in SEQ ID (2)
W402 Undefined organism found in <213> in SEQ ID (3)
W402 Undefined organism found in <213> in SEQ ID (4)
W402 Undefined organism found in <213> in SEQ ID (5)
W402 Undefined organism found in <213> in SEQ ID (6)
W402 Undefined organism found in <213> in SEQ ID (7)
W402 Undefined organism found in <213> in SEQ ID (8)
W402 Undefined organism found in <213> in SEQ ID (9)
W402 Undefined organism found in <213> in SEQ ID (10)
W402 Undefined organism found in <213> in SEQ ID (11)
W402 Undefined organism found in <213> in SEQ ID (12)
W402 Undefined organism found in <213> in SEQ ID (13)
W402 Undefined organism found in <213> in SEQ ID (14)
W402 Undefined organism found in <213> in SEQ ID (15)
W402 Undefined organism found in <213> in SEQ ID (16)
W402 Undefined organism found in <213> in SEQ ID (17)
W402 Undefined organism found in <213> in SEQ ID (18)
W402 Undefined organism found in <213> in SEQ ID (19)

W402 Undefined organism found in <213> in SEQ ID (22) This error has occured more than 20 times, will not be displayed
W213 Artificial or Unknown found in <213> in SEQ ID (253)
W213 Artificial or Unknown found in <213> in SEQ ID (254)
W213 Artificial or Unknown found in <213> in SEQ ID (255)
W213 Artificial or Unknown found in <213> in SEQ ID (256)
W213 Artificial or Unknown found in <213> in SEQ ID (257)
W213 Artificial or Unknown found in <213> in SEQ ID (258)
W213 Artificial or Unknown found in <213> in SEQ ID (259)
W213 Artificial or Unknown found in <213> in SEQ ID (260)
W213 Artificial or Unknown found in <213> in SEQ ID (261)
W213 Artificial or Unknown found in <213> in SEQ ID (262)
W213 Artificial or Unknown found in <213> in SEQ ID (263)
W213 Artificial or Unknown found in <213> in SEQ ID (264)
W213 Artificial or Unknown found in <213> in SEQ ID (265)
W213 Artificial or Unknown found in <213> in SEQ ID (266)
W213 Artificial or Unknown found in <213> in SEQ ID (267)
W213 Artificial or Unknown found in <213> in SEQ ID (268)
W213 Artificial or Unknown found in <213> in SEQ ID (269)
W213 Artificial or Unknown found in <213> in SEQ ID (270)
W213 Artificial or Unknown found in <213> in SEQ ID (271)
W213 Artificial or Unknown found in <213> in SEQ ID (272)
This error has occured more than 20 times, will not be displayed

The warnings shown, in number 3 above, are ok and require no response.

Note:
To correct the sequence listing errors noted in this report - The recommended method for correction of errors is to access the sequence listing working file using the software program in which the listing was originally prepared, e.g., the project file in PatentIn, make any necessary corrections within that program, then generate a new sequence listing file. Use of a word processing program to correct errors directly in the original sequence listing file is strongly discouraged, since such programs often introduce unintended changes to the sequence listing, rendering the listing unacceptable. When the working file or original program is not available for correction, then use of a common or plain text-only editor, such as NotePad, to edit the original sequence listing file may suffice.
****

Validated By CRFValidator v 1.0.3

Application No: 10579655 Version No: 5.0

Input Set:

Output Set:

Started: 2011-06-20 15:39:13.080
Finished: 2011-06-20 15:39:19.988
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 908 ms
Total Warnings: 376
Total Errors: 2
No. of SeqIDs Defined: 414
Actual SeqID Count: 414

Error code		Error Description
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W	402	Undefined organism found in <213> in SEQ ID (2)
W	402	Undefined organism found in <213> in SEQ ID (3)
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W	402	Undefined organism found in <213> in SEQ ID (5)
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W	402	Undefined organism found in <213> in SEQ ID (8)
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W	402	Undefined organism found in <213> in SEQ ID (10)
W	402	Undefined organism found in <213> in SEQ ID (11)
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W	402	Undefined organism found in <213> in SEQ ID (16)
W	402	Undefined organism found in <213> in SEQ ID (17)
W	402	Undefined organism found in <213> in SEQ ID (18)
W	402	Undefined organism found in <213> in SEQ ID (19)
E	356	Organism is not permitted in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2011-06-20 15:39:13.080
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Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 908 ms
Total Warnings: 376
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Error code	Error Description
E 356	Organism is not permitted in <213> in SEQ ID (21)
W 402	Undefined organism found in <213> in SEQ ID (22) This error has occured more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (253)
W 213	Artificial or Unknown found in <213> in SEQ ID (254)
W 213	Artificial or Unknown found in <213> in SEQ ID (255)
W 213	Artificial or Unknown found in <213> in SEQ ID (256)
W 213	Artificial or Unknown found in <213> in SEQ ID (257)
W 213	Artificial or Unknown found in <213> in SEQ ID (258)
W 213	Artificial or Unknown found in <213> in SEQ ID (259)
W 213	Artificial or Unknown found in <213> in SEQ ID (260)
W 213	Artificial or Unknown found in <213> in SEQ ID (261)
W 213	Artificial or Unknown found in <213> in SEQ ID (262)
W 213	Artificial or Unknown found in <213> in SEQ ID (263)
W 213	Artificial or Unknown found in <213> in SEQ ID (264)
W 213	Artificial or Unknown found in <213> in SEQ ID (265)
W 213	Artificial or Unknown found in <213> in SEQ ID (266)
W 213	Artificial or Unknown found in <213> in SEQ ID (267)
W 213	Artificial or Unknown found in <213> in SEQ ID (268)
W 213	Artificial or Unknown found in <213> in SEQ ID (269)
W 213	Artificial or Unknown found in <213> in SEQ ID (270)
W 213	Artificial or Unknown found in <213> in SEQ ID (271)
W 213	Artificial or Unknown found in <213> in SEQ ID (272)

Input Set:

Output Set:

Started: 2011-06-20 15:39:13.080
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Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 908 ms
Total Warnings: 376
Total Errors: 2
No. of SeqIDs Defined: 414
Actual SeqID Count: 414

Error code	Error Description

SEQUENCE LISTING

<110> Sanofi Pasteur, Inc.

<120> METHODS FOR PURIFYING PERTUSSIS TOXIN AND PEPTIDES USEFUL THEREFOR

<130> API-03-15

<140> 10579655
<141> 2011-06-20

<150> 60/523,881
<151> 2003-11-20

<150> PCT/US2004/038700
<151> 2004-11-18

<160> 414

<170> PatentIn version 3.5

<210> 1
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<212> PRT
<213> Gymnea sylvestre

<400> 1

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1 5

<210> 2
<211> 7
<212> PRT
<213> Gymnea sylvestre

<400> 2

Asn Gly Ser Phe Ser Gly Cys
1 5

<210> 3
<211> 7
<212> PRT
<213> Gymnea sylvestre

<400> 3

Asp Gly Ser Phe Ser Gly Phe
1 5

<210> 4

<211> 7
<212> PRT
<213> Gymnea sylvestre

<220>
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<222> (1)..(7)
<223> X is any amino acid

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Xaa Gly Ser Phe Ser Gly Xaa
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<210> 5
<211> 30
<212> PRT
<213> Gymnea sylvestre

<400> 5

Arg Ser Ser His Cys Arg His Arg Asn Cys His Thr Ile Thr Arg Gly
1 5 10 15

Asn Met Arg Ile Glu Thr Pro Asn Asn Ile Arg Lys Asp Ala
20 25 30

<210> 6
<211> 29
<212> PRT
<213> Gymnea sylvestre

<400> 6

Ser Thr Met Asn Thr Asn Arg Met Asp Ile Gln Arg Leu Met Thr Asn
1 5 10 15

His Val Lys Arg Asp Ser Ser Pro Gly Ser Ile Asp Ala
20 25

<210> 7
<211> 30
<212> PRT
<213> Gymnea sylvestre

<400> 7

Arg Ser Asn Val Ile Pro Leu Asn Glu Val Trp Tyr Asp Thr Gly Trp
1 5 10 15

Asp Arg Pro His Arg Ser Arg Leu Ser Ile Asp Asp Asp Ala
20 25 30

<210> 8
<211> 30
<212> PRT
<213> Gymnea sylvestre

<400> 8

Arg Ser Trp Arg Asp Thr Arg Lys Leu His Met Arg His Tyr Phe Pro
1 5 10 15

Leu Ala Ile Asp Ser Tyr Trp Asp His Thr Leu Arg Asp Ala
20 25 30

<210> 9
<211> 34
<212> PRT
<213> Gymnea sylvestre

<400> 9

Ser Gly Cys Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val
1 5 10 15

Cys Cys Glu Pro Leu Glu Cys Ile Tyr Thr Ser Glu Leu Tyr Ala Thr
20 25 30

Cys Gly

<210> 10
<211> 34
<212> PRT
<213> Gymnea sylvestre

<400> 10

Ser Gly Cys Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Val Asp Glu
1 5 10 15

Cys Cys Glu Pro Leu Glu Cys Phe Gln Met Gly His Gly Phe Lys Arg
20 25 30

Cys Gly

<210> 11
<211> 35
<212> PRT
<213> Gymnea sylvestre

<400> 11

Ser Gly Cys Val Lys Lys Asp Glu Leu Cys Ser Gln Ser Val Pro Met
1 5 10 15

Cys Cys Glu Pro Leu Glu Cys Lys Trp Phe Asn Glu Asn Tyr Gly Ile
20 25 30

Cys Gly Ser
35

<210> 12
<211> 34
<212> PRT
<213> Gymnea sylvestre

<400> 12

Ser Gly Cys Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Ile Asp Glu
1 5 10 15

Cys Cys Glu Pro Leu Glu Cys Thr Lys Gly Asp Leu Gly Phe Arg Lys
20 25 30

Cys Gly

<210> 13
<211> 35
<212> PRT
<213> Gymnea sylvestre

<400> 13

Gln Gln Cys Val Lys Lys Asp Glu Leu Cys Ile Pro Tyr Tyr Leu Asp
1 5 10 15

Cys Cys Glu Pro Leu Glu Cys Lys Lys Val Asn Trp Trp Asp His Lys
20 25 30

Cys Ile Gly
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<210> 14
<211> 31
<212> PRT
<213> Gymnea sylvestre

<220>
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<222> (9)..(30)
<223> X is any amino acid

<400> 14

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1 5 10 15

Glu Pro Leu Glu Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
20 25 30

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<211> 141
<212> DNA
<213> Gymnea sylvestre

<220>
<221> misc_feature
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<223> n is a, g, t or c

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nnsnnstgct gtgagcccct cgagtgcnns nnsnnsnnsn nsnnsnnsnn snnstgcggc 120

agcggcagtt ctgggtctag c 141

<210> 16
<211> 84
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<213> Gymnea sylvestre

<400> 16
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catagtggct caagctcagg atca 84

<210> 17
<211> 44
<212> DNA
<213> Gymnea sylvestre

<400> 17

ttttaaatag cggatgctac taggctagac ccagaactgc cgct 44

<210> 18
<211> 10
<212> RNA
<213> Gymnea sylvestre

<400> 18
uagcggaugc 10

<210> 19
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<213> Gymnea sylvestre

<220>
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<222> (18)..(43)
<223> X is any amino acid

<400> 19

Thr Met Val Met Gly Arg Gly Ser His His His His His His Ala Arg
1 5 10 15

Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Ala Asn Ala Pro
35 40 45

Lys Ala Ser Ala Ile
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<210> 20
<211> 6
<212> PRT
<213> Synthetic

<400> 20

His His His His His His
1 5

<210> 21
<211> 6
<212> PRT
<213> Synthetic

<400> 21

Asp Ala Asn Ala Pro Lys
1 5

<210> 22
<211> 127
<212> DNA
<213> Gymnea sylvestre

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<222> (28)..(105)
<223> S and N are A, T, G or C

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snnsnnsnns nnsnnsnnsn nsnnsnnsnn snnsnnsnns nnsnnagatc tagcatgatg 120

atgatga 127

<210> 23
<211> 81
<212> DNA
<213> Gymnea sylvestre

<400> 23
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catcatcatc atgctagatc t 81

<210> 24
<211> 32
<212> DNA
<213> Gymnea sylvestre

<400> 24
aattaaatag cggatgcctt cggagcgtta gc 32

<210> 25
<211> 18
<212> DNA
<213> Bacteriophage M13

<400> 25
tgtaaaacga cggccagt 18

<210> 26
<211> 54
<212> PRT

<213> Gymnea sylvestre

<400> 26

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Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15


Val Lys Lys Asp Glu Leu Cys Ala Gly Ser Val Gly His Cys Cys Glu
            20                  25                  30


Pro Leu Glu Cys Leu Arg Arg Phe Leu Asn Leu Arg Trp Cys Gly Ser
        35                  40                  45


Gly Ser Ser Gly Ser Ser
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<210> 27
<211> 54
<212> PRT
<213> Gymnema sylvestre

<400> 27

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Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15


Val Lys Lys Asp Glu Leu Cys Ile Val Met Arg Ala Pro Cys Cys Glu
            20                  25                  30


Pro Leu Glu Cys Leu Arg Arg Tyr Met Leu Lys His Met Cys Gly Ser
        35                  40                  45


Gly Ser Ser Gly Ser Ser
    50
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<210> 28
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 28

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Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15


Val Lys Lys Asp Glu Leu Cys Lys Ala Phe Arg Tyr Ser Cys Cys Glu
            20                  25                  30
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```
Pro Leu Glu Cys Leu Arg Lys Trp Leu Lys Ala Arg Phe Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 29
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 29

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Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Leu Arg Ser Ser Ile Asp Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Leu Tyr Lys Trp Met Gln Arg Arg Leu Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 30
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 30

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Trp Pro Arg Arg His Lys Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Leu Leu Glu Met Leu Glu Arg Lys Arg Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 31
<211> 53

<212> PRT
<213> Gymnea sylvestre

<400> 31

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Met Ser Met Ala Cys Val Cys Cys Glu
20 25 30

Pro Leu Glu Cys Lys Tyr His Gly Tyr Phe Trp Leu Cys Gly Ser Gly
35 40 45

Ser Ser Gly Ser Ser
50

<210> 32
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 32

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Ala Val Trp Phe Asp Val Cys Cys Glu
20 25 30

Pro Leu Glu Cys Thr Tyr Gln Ser Gly Tyr Tyr Trp Leu Cys Gly Ser
35 40 45

Gly Ser Ser Gly Ser Ser
50

<210> 33
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 33

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Glu Pro Trp Tyr Trp Arg Cys Cys Glu
20 25 30

```
Pro Leu Glu Cys Val Tyr Thr Ser Gly Tyr Tyr Tyr Ser Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 34
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 34

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Ile Tyr Thr Ser Glu Leu Tyr Ala Thr Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 35
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 35

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Val Phe Tyr Phe Pro Asn Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Arg Trp Val Asn Asp Asn Tyr Gly Trp Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 36

<211> 53
<212> PRT
<213> Gymnea sylvestre

<400> 36

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Met Ser Met Ala Cys Val Cys Cys Glu
20 25 30

Pro Leu Glu Cys Lys Tyr His Gly Tyr Phe Trp Leu Cys Gly Ser Gly
35 40 45

Ser Ser Gly Ser Ser
50

<210> 37
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 37

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Thr Thr Ala Ser Lys Ser Cys Cys Glu
20 25 30

Pro Leu Glu Cys Lys Trp Thr Asn Glu His Phe Gly Thr Cys Gly Ser
35 40 45

Gly Ser Ser Gly Ser Ser
50

<210> 38
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 38

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Ser Gln Ser Val Pro Met Cys Cys Glu

```
            20                  25                  30

Pro Leu Glu Cys Lys Trp Phe Asn Glu Asn Tyr Gly Ile Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 39
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 39

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
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Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Ile Tyr Thr Ser Glu Leu Tyr Ala Thr Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 40
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 40

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Ala Arg Trp Asp Leu Val Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Leu Gly His Gly Leu Gly Tyr Ala Tyr Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 41
<211> 53
<212> PRT
<213> Gymnea sylvestre

<400> 41

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Met Trp Ser Arg Glu Val Cys Cys Glu
20 25 30

Pro Leu Glu Cys Tyr Tyr Thr Gly Trp Tyr Trp Ala Cys Gly Ser Gly
35 40 45

Ser Ser Gly Ser Ser
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<210> 42
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 42

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Val Asp Glu Cys Cys Glu
20 25 30

Pro Leu Glu Cys Phe Gln Met Gly His Gly Phe Lys Arg Cys Gly Ser
35 40 45

Gly Ser Ser Gly Ser Ser
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<210> 43
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 43

Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1 5 10 15

```
Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Val Asp Glu Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Thr Lys Gly Asp Leu Gly Phe Arg Lys Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 44
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 44

```
Met His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Ile Asp Val Cys Cys Glu
            20                  25                  30

Pro Leu Glu Cys Leu Gly His Gly Leu Gly Tyr Ala Tyr Cys Gly Ser
        35                  40                  45

Gly Ser Ser Gly Ser Ser
    50
```

<210> 45
<211> 54
<212> PRT
<213> Gymnea sylvestre

<400> 45

```
Met His His His His His His His Ser Gly Ser Ser Ser Gly Ser Gly Cys
1               5                   10                  15

Val Lys Lys Asp Glu Leu Cys Glu Leu Ala Ile Asp Val Cys Cys Glu
            20
```